

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

061404
7439 U.S. PTO

1/11

Fig.1.

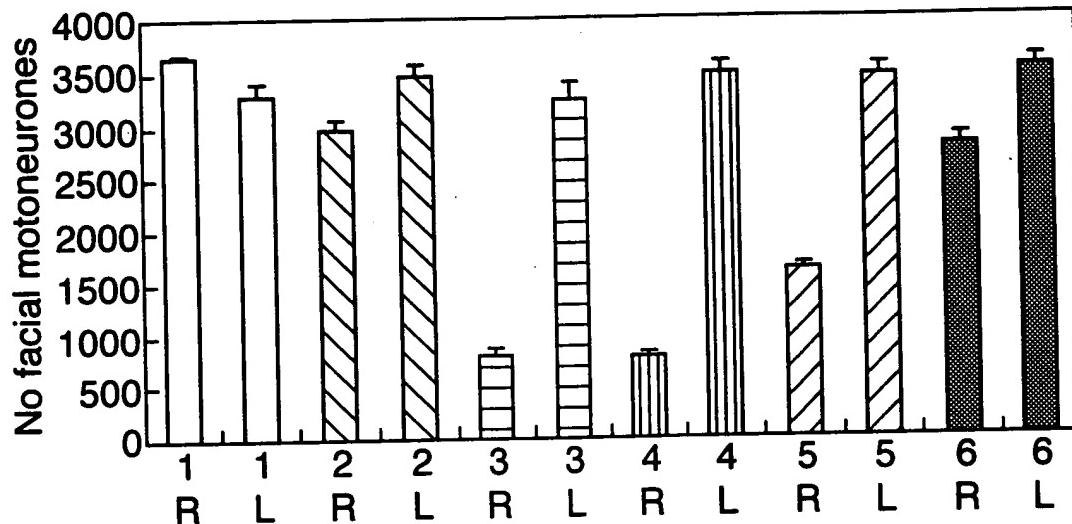


Fig.2a.

Avulsion

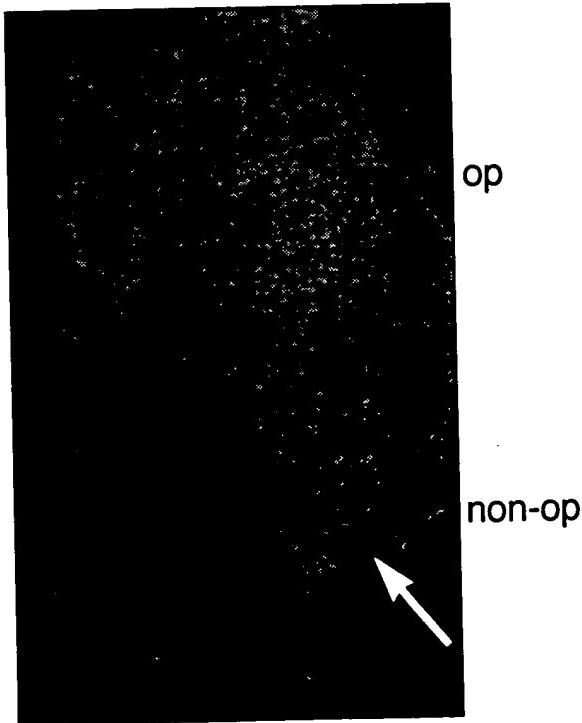


Fig.2b.

Avulsion

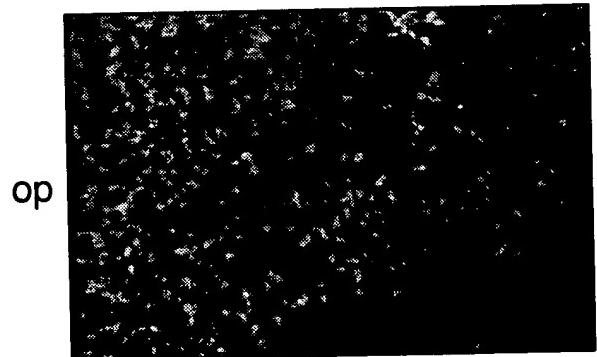
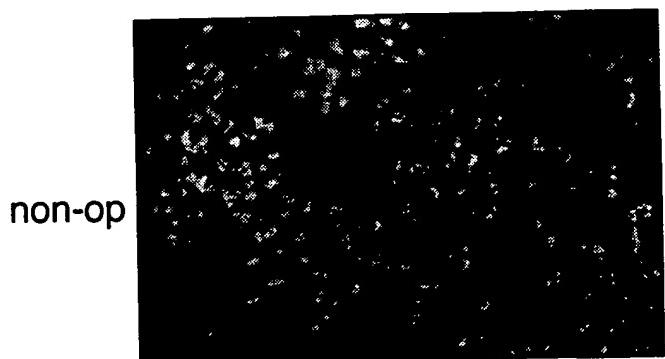


Fig.2c.

Avulsion



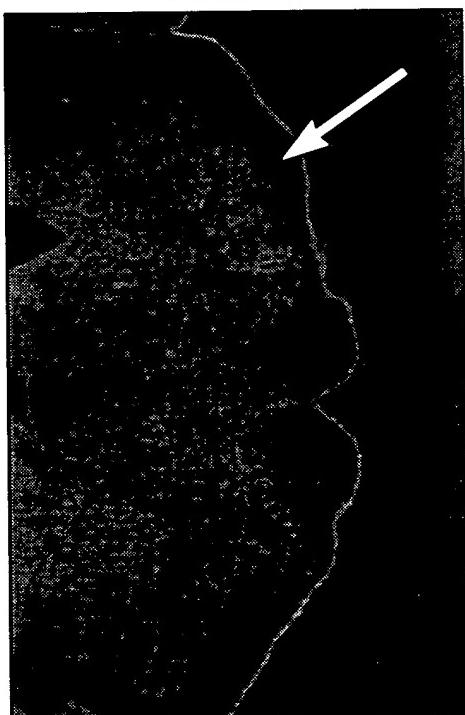


17439 U.S.PTO
061404

2/11

Fig.3a.

Plasmid

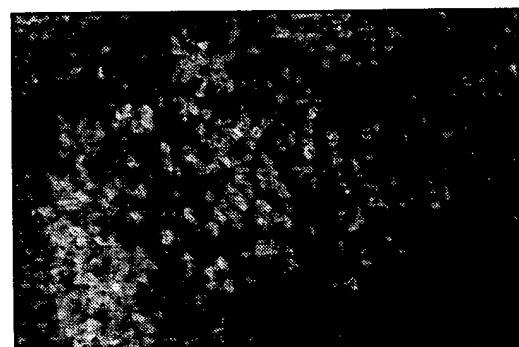


non-op

op

Fig.3b.

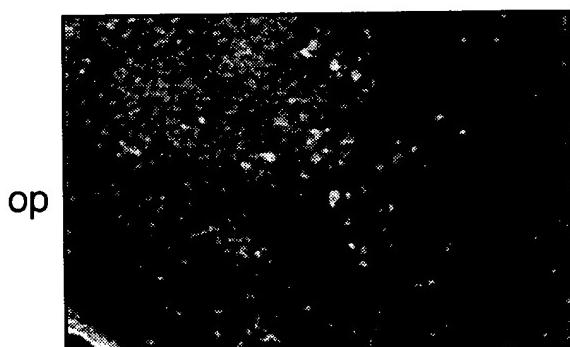
Plasmid



non-op

Fig.3c.

Plasmid



op

Fig4a.
MGF Plasmid

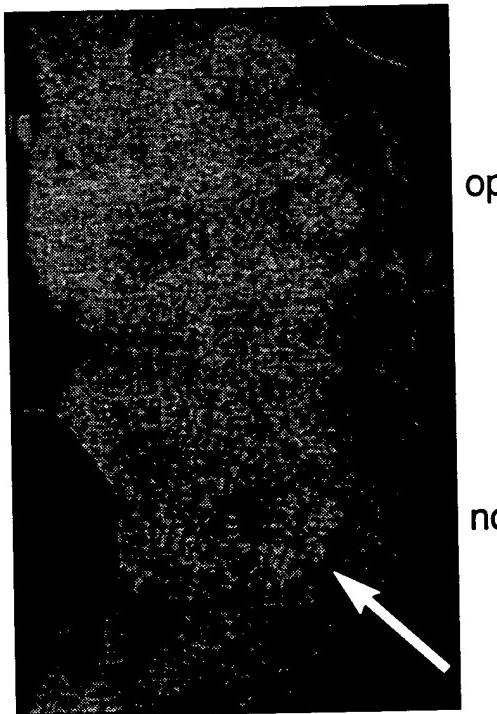


Fig4b.
MGF Plasmid

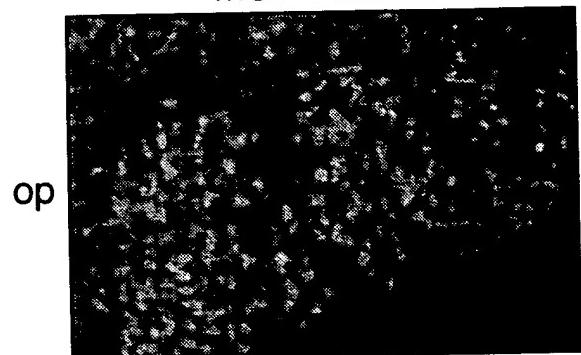


Fig4c.
MGF Plasmid

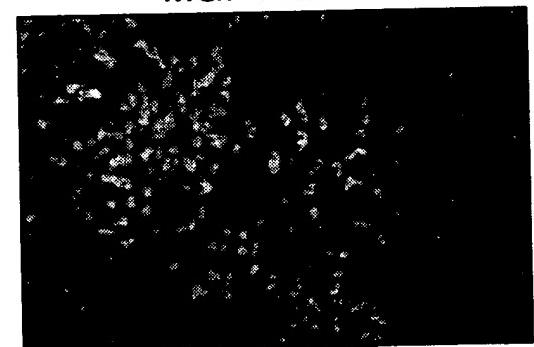


Fig.5.

cDNA sequence of Human MGF

Protein sequence of Human MCE

Fig. 6.

CDNA sequence of Rat MGF

Protein sequence of Rat MGF

Exon 3 GlyProGluThrLeuCysGlyAlaGluLeuValAspAlaLeuGlnPheValCysGlyProArgGlyPheTyrPheAsnLysProThrValTyrGlySerSerIleArg
 Exon 4 ArgAlaProGlnThrGlyIleValAspGluCysCysPheArgSerCysAspLeuArgArgLeuGluMetTyrCysValArgCysLysProThrLysSerAlaArgS
 Exon 5 erileArgAlaGlnArgHisThrAspMetProLysThrGlnLysSerGlnProLeuSerThrHisLysLysArgLysLeuGlnArgArgArgLysGlySerThrLeu
 Exon 6 GluGluHisLys

Fig. 7.

CDNA sequence of Rabbit MGF

Protein sequence of Rabbit MCE

Fig. 8

CDNA sequence of Human L.IGF-1

Exon 3	GGACCGGAGACGGCTCTGGGTGAGCTGGATGCTCTTCAGTTGAGACAGGGCTTTATTCAACAAGCCACAGGGTATGGCTCCAGCAGTCGGAGGGGCC
Exon 4	TCAGACAGGCATCGTGGATGAGTGTGCTTCCGGAGCTGTGATCTAAGGAGGCTGGAGATGATTGGCACCCCTCAAGCCTGCCAAGTCAGCTCGCTCTGTGCCAAGCGGCC
Exon 6	ACACTGACATGCCAAGAACCCAGAAAGGTACATTGAAGAACGCAAGTAGGGGAGTGCAAGAACAGAAACTACAGGATGTAG

Protein sequence of Human L-IGF-1

Fig. 9.

CDNA sequence of Rat L.IGF-1

Exon 3
GGACAGAGACCCTTGGGGCTGAGCTGGTGGACCGCTTCAAGTCTGTGACTTCAACAAAGGGCTTTACTTCAGCTTCAACAAAGCCCACAGTCTATGGCTCCAGCATTGGGGCACCC
Exon 4
ACAGACGGCATTTGGATGAGTGTGCTTCCGGAGCTGTGATCTGAGGGCTGGAGATGTACTGTGTCCGCTGCAAGCCTACAAAAGTCAGCTCGTCCATCGGGCCAGGCC
Exon 6
ACACTGACATGCCAAGACTCAGAAGGAAGTACACTTGAAAGAACACAAGTAGAGGAAGTGCAGGAACAAAGACCTACAGAATGTAGGAGAGCCTCCGAGAACAGAAAATGCCA
CGTCAACCGAAGATCCCTTGTGCTTGAACACTGCAAACATCGGAACACCTGCCAAATATCAATAATGAGTTCAATATCATTTCAGAGATGGCATTCCCTCAATGAAATAC
ACAAGTAACATTCCCCCAATTC

Protein sequence of Rat IgE-1

Gly₁:oGluThrLeuCysGlyAlaGluLeuValAspAlaLeuGlnPheValCysGlyProArgGlyPheTyrPheAsnLysProThrValTyrGlySerSerIleArgArgAlaPr
 oGlnThrGlyIleValAspGluCysCysPheArgSerCysAspLeuArgArgLeuGluMetTyrCysValArgCysLysProThrLysSerAlaArgSerIleArgAlaGlnArgH
 isThrAspMetProLysThrGlnLysGluValHisLeuLysAsnThrSerArgGlySerAlaGlyAsnLysThrTyrArgMet
 Exon 3
 Exon 4
 Exon 6

CDNA sequence of Rabbit L.IGF-1

Fig. 10.

Exon 3
GGACCGGAGACGCCTCTGGGTGCTGAGCTGGTGGATGCTTCAGTCTGTTCAACAAGCCAACAGGATAACGGCTCCAGCAGTGGAGGGCACC
Exon 4
TCAGACAGGCATCGTGGATGAGTGCTGTTCCGGAGCTGTGATCTGAGGGCTGGAGATGTACTGTGCACCCCTCAAGGCCAAGGCAGCCCCTCCGTGCCAGGCC
Exon 6
ACACCGACATGCCAAGACTCAGAAGGAAGTACATTGAAGAACACAAGTAGAGGGAGTGCAGGAACAAAGAACTACAGGATGTAGGAAGAACCCCTCTGAGGAGTGAAGAAGGACA
GGC ACCGGAGGCCCTTGCTCACAGTTACCTGTAAACATTGGAAATACGGCCAACAAATAAGTTGATCACATTCAAAGATGGCATTCCCCAATGAAATACACAAGTA
AACATTC

Protein sequence of Rabbit IgE-1

GlyProGluThrLeuCysGlyAlaGlnLeuValAspAlaLeuGlnPheValCysGlyAspArgGlyPheTyrPheAsnLysProThrGlyTyrGlySerSerArgArgAlaPr
 pGlnThrGlyIleValAspGluCysCysPheArgSerCysAspLeuArgArgLeuGluMetTyrCysAlaProLeuLysProAlaLysAlaAlaArgSerValArgAlaGlnArgH
 isThrAspMetProLysThrGlnLysGluValHisLeuLysAsnThrSerArgGlySerAlaGlyAsnLysAsnTyrArgMet

Fig. 11.



11/11

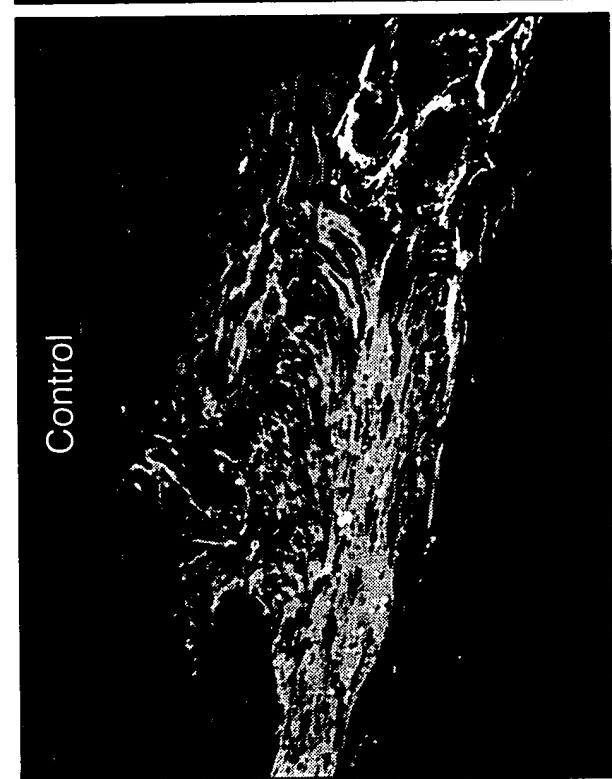
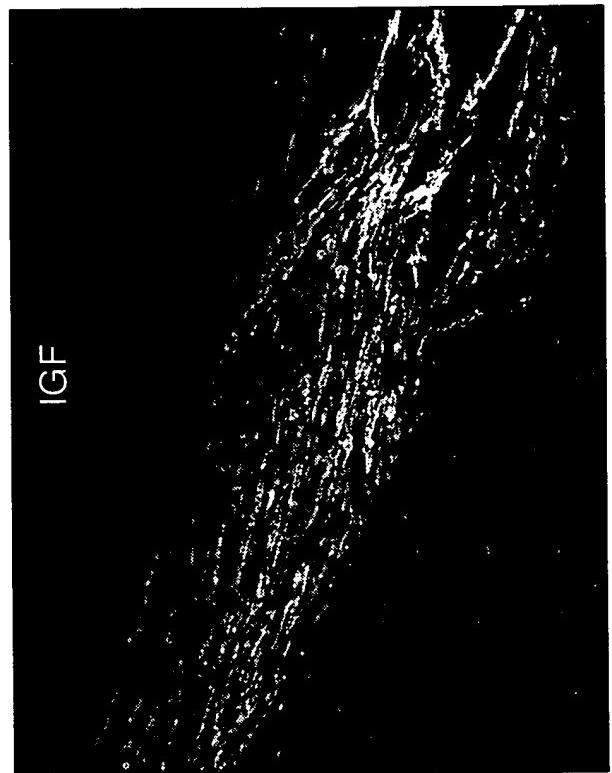
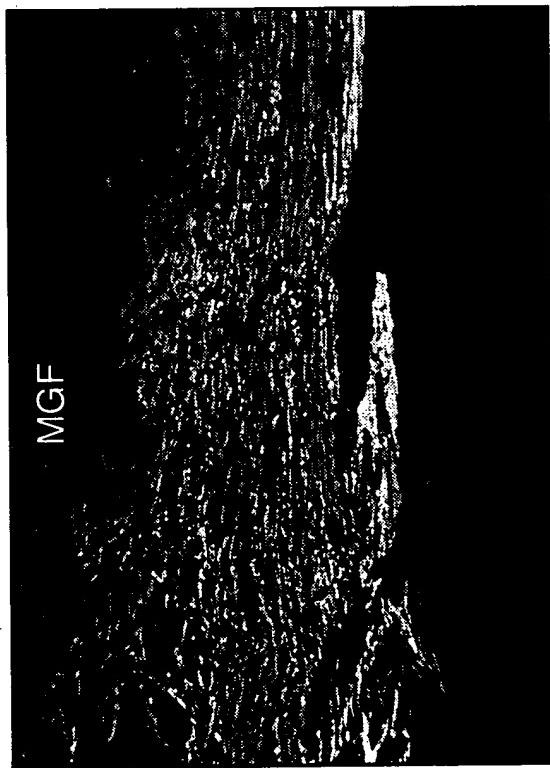


Fig. 12.